

# Baumit SEP

## Mineral based decorative topcoat render



- **Internal and external use**
- **Available in multiple grain sizes**
- **Mineral top coat**

**Product Overview** Factory prepared dry powder mortar in accordance with EN 998-1. Mineral based decorative topcoat render for thin coat application for internal and external areas. Suitable for hand or machine application.

**Composition** White lime, white cement, sand and additives to improve workability and adhesion. Coloured Baumit SEP contains additional lime, cement and light fast pigments.

**Properties** Mineral based, weather resistant, water vapour and CO2 permeable, and easy to use. Different grain sizes, 1mm, 2mm, 3mm and 4mm, gives a choice of wet dash or dragged grain textures.

- Application**
- A topcoat render providing decoration and protection to facades and internal areas.
  - For application over lime and cement render basecoats, contact mortars, EWI basecoats and concrete surfaces.

**Technical Data**

Reaction to fire:	A1
Compression strength:	1.5 N/mm <sup>2</sup> - 5 N/mm <sup>2</sup>
μ-value:	app. 20
Thermal conductivity:	0.890 W/mK (p=90% tabulated)

	SEP 01, 25kg, 1k	SEP 01, 25kg, 1k coloured	SEP 02, 25kg, 2k	SEP 02, 25kg, 2k coloured
yield	11.4 m <sup>2</sup> /bag	11.4 m <sup>2</sup> /bag	7.6 m <sup>2</sup> /bag	7.6 m <sup>2</sup> /bag
Grain	1 mm	1 mm	2 mm	2 mm
Consumption	app. 2.2 kg/m <sup>2</sup> /2mm	2.2 kg/m <sup>2</sup>	app. 3.3 kg/m <sup>2</sup> /2mm	3.3 kg/m <sup>2</sup>

	SEP 03, 25kg, 3k	SEP 03, 25kg, 3k coloured	SEP 04, 25kg ,4k	SEP 04, 25kg ,4k coloured
yield	6.3 m <sup>2</sup> /bag	6.3 m <sup>2</sup> /bag	4.5 m <sup>2</sup> /bag	4.5 m <sup>2</sup> /bag
Grain	3 mm	3 mm	4 mm	4 mm
Consumption	app. 4 kg/m <sup>2</sup> /3mm	4 kg/m <sup>2</sup>	5.5 kg/m <sup>2</sup> /4mm	5.5 kg/m <sup>2</sup>

**Delivery Format** 25kg bags, 1 pallet = 42 bags = 1050kg

**Storage** Store in dry, cool conditions, free from frost in sealed bags. Shelf life 12 months.

- Substrate**
- Suitable substrates:**
- Basecoats on External Wall Insulation systems.
  - Lime, cement renders and concrete.
  - Well bonded mineral, silicate and dispersion paints and coatings.
  - Organic basecoats (e.g. PowerFlex).

**Substrate pre-treatment**

Smooth concrete surfaces should receive a keyed bonding coat using a suitable contact mortar (for example Baunit MC 55 W or StarContact). Backgrounds at risk of leaching and staining (plasterboard, nicotine stains etc) must be sealed with Baunit SperrGrund (2 coats). Friable basecoats must be treated with Baunit SanovaPrimer stabiliser. Allow to dry for 24 hours. Substrates must be sound, clean, dry, free from frost, dust efflorescence and not hydrophobic. Render basecoats must be flat, well keyed, dry and fully cured. Allow for drying times of 1 day per mm thickness for render base coats. Refer to Baunit for advice regarding other substrates and substrate preparation.

**Processing****Mixing:**

Baunit SEP powder must be well and slowly mixed in a tub of clean water with an electric hand mixer to a creamy workable consistency, the water content needs to be precised. leave to stand for 5 minutes before applying onto the primed basecoat. Automated continuous horizontal mixers may also be used. For small areas the mixed render can be manually applied. For larger areas the fresh render can be fed into a mortar pump for spray application. Alternatively, mortar mixing pumps provide an all-in-one mixing and spraying solution.

**Application:**

The SEP topcoat render is applied onto the substrate to the required thickness and trowelled through to the grain thickness to produce a full and even coat. The surface is then textured using a coarse sponge float or plastic float according to desired finish, moving in tight circular motions.

Baunit SEP is suitable for freestyle texturing and soft brushing with a little water. Baunit SEP should be applied systematically and continuously in complete sections.

**Notes and General Information**

The air, material and background temperature must be above +5° C during application and curing. Protect the facade from direct sunlight, rain and strong winds (i.e. with scaffold nets). High air humidity and low temperatures can prolong drying times considerably. Coloured products from different batches must be mixed together prior to application.

Colour tone development can be affected by the background conditions, temperature and air humidity level.

The sands used in the Baunit facade renders are natural products. On occasion some of the sand grains may appear slightly darker. This does not in any way constitute a problem with quality of the product, but may represent a faint optical detracton, due to the natural properties of the raw materials.

A Light Reflectance Value lower than 25 must not be used for application on to External Wall Insulation systems.

Baunit SEP should be left to dry for at least 5 days ( at +20 C° and 60 % rel. humidity) before receiving any further coatings.

Protective measures: Protect eyes and skin, and surrounding areas, especially glass, ceramic, brick, natural stone, varnishes and metals. Wash away any splashes with plenty of water. Do not allow to dry and harden.

Clean tools and equipment thoroughly with water immediately after use.

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